STEVAL-ILH002V1

35 W electronic ballast for HID metal halide lamp

Data brief

Features

- V_{in} (VAC) = 220 V
- Efficiency = 86%
- Pi = 41.5 W
- THD = 20%
- PF = 0.96
- Very good power regulation vs. voltage and/or current variation (using “fully analog SUM method”)
- Cost-effective solution
- RoHS compliant

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Description

The STEVAL-ILH002V1 demonstration board represents an electronic ballast for HID lamp.

Unlike fluorescent lamps, HID lamp ballasts must be specifically designed for the lamp type and wattage used.

HID lamps require a warm-up period to achieve full light output, and in some cases require several minutes before they can be re-ignited after they have been turned off.

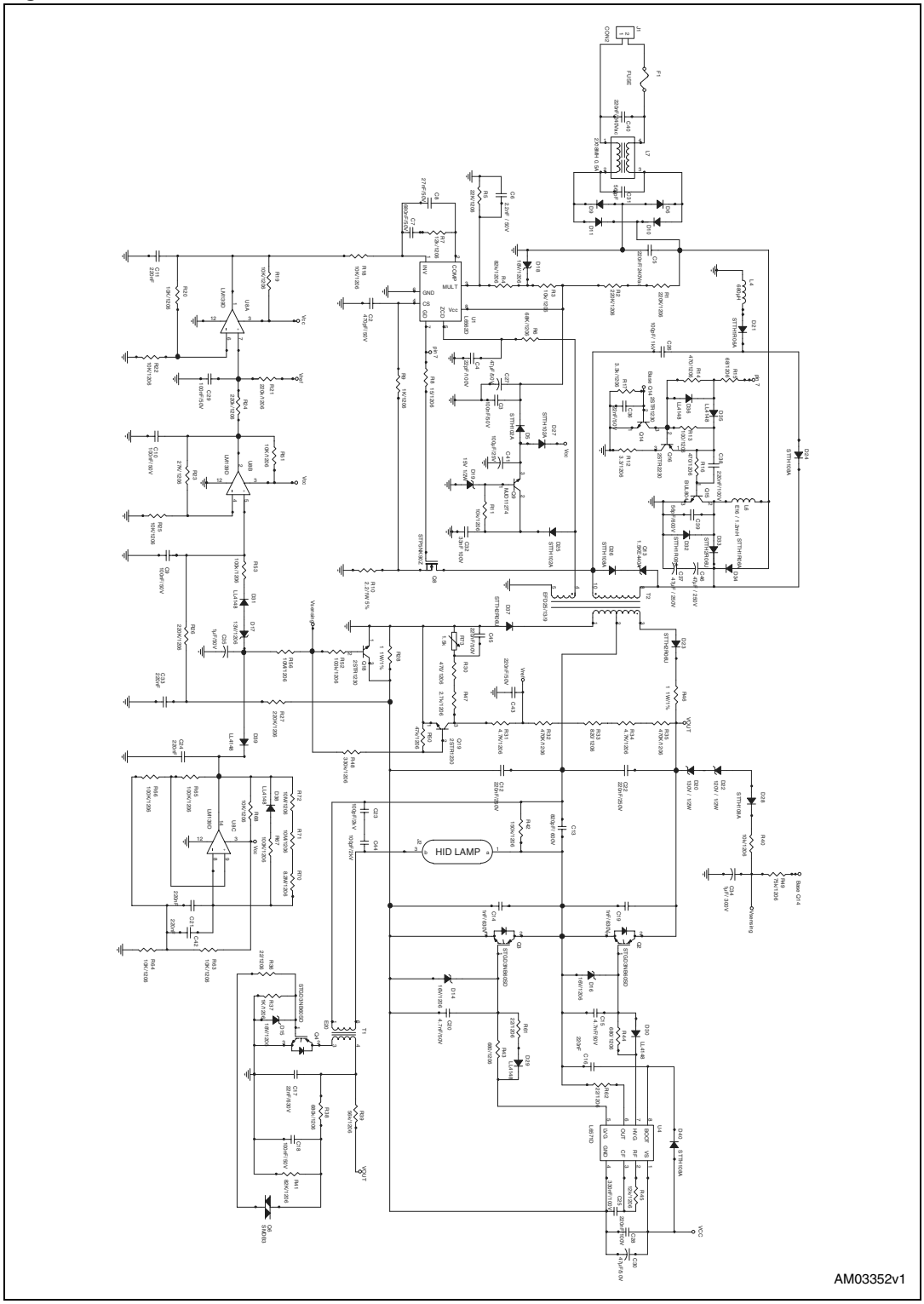
Metal halide lamps offer high efficacy, excellent color rendition, long service life, and good lumen maintenance. They are often used in outdoor applications and commercial interiors.

The dimensions of the board are: W 76.55 mm, L 113 mm

For further information contact your local STMicroelectronics sales office. www.st.com

1 Schematic diagram

Figure 1. STEVAL-ILH002V1 schematic circuit



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
25-Feb-2010	1	Initial release.

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